

Listing of Claims:

1. (Previously presented) A method for reversing drug resistance in a cancer cell, said method comprising introducing an antisense glucosylceramide synthase nucleic acid sequence into said cell, wherein said introduction reverses drug resistance in said cell.
2. (Canceled)
3. (Previously presented) The method of claim 1, wherein said nucleic acid sequence is complementary to all or part of a sense strand for glucosylceramide synthase.
4. (Original) The method of claim 3, wherein said nucleic acid sequence is between about 15 to about 25 nucleotides in length.
5. (Original) The method of claim 1 wherein said cancer cell is selected from the group consisting of a breast cancer cell, prostate cancer cell, ovarian cancer cell, lymphoma cell, melanoma cell, sarcoma cell, leukemia cell, retinoblastoma cell, hepatoma cell, myeloma cell, glioma cell, mesothelioma cell or carcinoma cell.
6. (Original) The method of claim 1, further comprising the step of contacting said cell with at least one other agent.
7. (Original) The method of claim 6 wherein said agent is a chemosensitizer or chemotherapeutic agent.
8. (Previously presented) A method of inducing apoptosis in a cancer cell, said method comprising introducing an antisense glucosylceramide synthase nucleic acid

sequence into said cancer cell, wherein said introduction induces apoptosis in said cells.

9. (Canceled)

10. (Currently amended) The method of claim 8, wherein said nucleic acid sequences are complementary to all or part of a sense strand for glucosylceramide synthase.

11. (Original) The method of claim 10, wherein said nucleic acid sequence is between about 15 to about 25 nucleotides in length.

12. (Original) The method of claim 8 wherein said cancer cell is selected from the group consisting of a breast cancer cell, prostate cancer cell, ovarian cancer cell, lymphoma cell, melanoma cell, sarcoma cell, leukemia cell, retinoblastoma cell, hepatoma cell, myeloma cell, glioma cell, mesothelioma cell or carcinoma cell.

13. (Original) The method of claim 8, further comprising the step of contacting said cell with at least one other agent.

14. (Original) The method of claim 13 wherein said agent is a chemosensitizer or chemotherapeutic agent.

15. (Previously presented) A formulation for reversing drug resistance in a cancer cell or inducing apoptosis in a cancer cell, comprising an antisense glucosylceramide synthase nucleic acid sequence and chemosensitizer or chemotherapeutic agent.

16. (Canceled)

17. (Previously presented) The formulation of claim 15 wherein said nucleic acid sequence is complementary to all or part of a sense strand for glucosylceramide synthase.

18. (Original) The formulation of claim 17, wherein said nucleic acid sequence is between about 15 to about 25 nucleotides in length.

19. (Original) A kit comprising the formulation of claim 15.

20. (Canceled)

21. (Previously presented) A method for reversing drug resistance in a cancer cell, said method comprising introducing a full length antisense glucosylceramide synthase nucleic acid sequence into said cell, wherein said introduction reverses drug resistance in said cell.

22. (Previously presented) A formulation for reversing drug resistance in a cancer cell or inducing apoptosis in a cancer cell, comprising a full length antisense glucosylceramide synthase nucleic acid sequence and chemosensitizer or chemotherapeutic agent.